

# PHILIPS



Q-Line Display

Signage Solutions

50"

Direct LED Backlight

Ultra HD



50BDL3650Q

## Stand out from the crowd

Your versatile and easy-to-set-up 18/7 display

Inform and enthrall with a Philips Q-Line 4K Ultra HD digital display. This reliable, easy-to-install, Android-powered signage solution is Wave-ready for remote management, putting you in full control, any time, anywhere.

### **Cost-effective system solution**

- Easy control. Remotely manage networked displays
- Easily schedule content from a USB or internal memory

### **Effortless setup. Total control.**

- Optional Interact for wireless screen share
- Catch the Wave for revolutionary results

### **Smart and powerful**

- Connect and control your content via the cloud
- Android SoC processor. Native and web apps
- WiFi connection made easy with an optional CRD22 module

### **Versatile system solution**

- Ultra-HD. Rich images. Stunning contrast
- FailOver. Ensure your display never goes blank

## Highlights

### SmartBrowser

Connect and control your content via the cloud with the integrated HTML5 browser. Using the Chromium-based browser, design your content online and connect either a single display or your complete network. Show content in both landscape and portrait mode, with fullHD resolution. Simply connect the display to the Internet using WiFi or with an RJ45 cable, and enjoy your own curated playlists.

### FailOver

Critical for demanding commercial applications, FailOver is a revolutionary technology that automatically plays back-up content onscreen in the unlikely event of an input source or

application failure. Simply select a primary input connection and a FailOver connection and you are ready for instant content protection.

### Integrated media player

Easily schedule content to play from a USB or from internal memory. Your Philips Professional Display will wake from standby to play the content you want, and then return to standby once playback is done.

### Interact (optional)

Wirelessly screen share using your existing Wi-Fi network to instantly and securely connect devices, or use our optional HDMI Interact dongle to cast directly onto the screen without connecting into the secured network.

### Powered by Android 10

Powered by our Android 10 SoC platform, these hardworking Philips professional displays are optimised for native Android apps, and you can install web apps directly onto the display too. Flexible and secure, ensuring display specs stay up to the moment for longer.

### PPDS Wave

Unlock the power, versatility and intelligence inside your Philips Q-Line displays remotely with Wave. This evolutionary cloud platform puts you fully in control, with simplified installation and setup, monitoring and controlling displays, upgrading firmware, managing playlists and setting power schedules. Saving you time, energy and environmental impact.

# Specifications

## Picture/Display

**Diagonal screen size (metric):** 125.7 cm  
**Diagonal screen size (inch):** 49.5 inch  
**Aspect ratio:** 16:9  
**Panel resolution:** 3840 x 2160  
**Pixel pitch:** 0.2854 x 0.2854 mm  
**Optimum resolution:** 3840 x 2160 @ 60 Hz  
**Brightness:** 400 cd/m<sup>2</sup>  
**Display colours:** 1.07 Billion  
**Contrast ratio (typical):** 4000:1  
**Dynamic contrast ratio:** 500,000:1  
**Response time (typical):** 8 ms  
**Viewing angle (horizontal):** 178 degree  
**Viewing angle (vertical):** 178 degree  
**Picture enhancement:** 3/2 - 2/2 motion pull down, Dynamic contrast enhancement, Progressive scan  
**Panel technology:** VA  
**Operating system:** Android 10  
**Haze:** 2%

## Connectivity

**Audio output:** 3.5 mm jack  
**Video input:** HDMI 2.0 (x 2), USB 2.0 (x 2), DVI-I (x 1), USB 3.0 (x1)  
**Audio input:** 3.5 mm jack  
**Other connections:** micro SD  
**External control:** RJ45, RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack

## Convenience

**Placement:** Landscape (18/7), Portrait (18/7)  
**Tiled Matrix:** Up to 3 x 3  
**Keyboard control:** Lockable, Hidden  
**Remote control signal:** Lockable  
**Signal loop through:** RS232, IR Loop through  
**Energy-saving functions:** Smart Power  
**Network controllable:** RS232, RJ45

## Sound

**Built-in speakers:** 2 x 10 W RMS

## Power

**Mains power:** 100–240 V~, 50/60 Hz  
**Consumption (Typical):** 97 W  
**Standby power consumption:** <0.5 W  
**Power Saving Features:** Smart Power  
**Energy Label Class:** G

## Supported Display Resolution

**Computer formats:** 1920 x 1080, 60 Hz, 1680 x 1050, 60 Hz, 1600 x 1200, 60 Hz, 1440 x 900, 60 Hz, 1280 x 1024, 60 Hz, 1280 x 800, 60 Hz, 1280 x 720, 60 Hz, 1024 x 768, 60, 70, 75 Hz, 3840 x 2160, 60 Hz  
**Video formats:** 1080p, 50, 60 Hz, 1080i, 50, 60 Hz, 720p, 50, 60 Hz, 2160p, 50, 60 Hz

## Dimensions

**Set Width:** 1128.4 mm  
**Product weight:** 14.75 kg  
**Set Height:** 649.0 mm  
**Set Depth:** 63.5 mm  
**Set Width (inch):** 44.43 inch  
**Set Height (inch):** 25.55 inch  
**Wall Mount:** 400 mm x 400 mm, M6  
**Set Depth (inch):** 2.50 inch  
**Bezel width:** 14.9 mm (Even bezel)  
**Product weight (lb):** 32.52 lb

## Operating conditions

**Altitude:** 0 ~ 3000 m  
**Temperature range (operation):** 0 ~ 40 °C  
**MTBF:** 50,000 hour(s)  
**Temperature range (storage):** -20 ~ 60 °C  
**Humidity range (operation)[RH]:** 20~80% RH (No condensation)  
**Humidity range (storage) [RH]:** 5~95% RH (No condensation)

## Multimedia Applications

**USB Playback Video:** MPEG, H.264, H.263, H.265, AVI, MP4, VP8  
**USB Playback Picture:** JPEG, BMP, PNG  
**USB Playback Audio:** AAC, HEAAC, MPEG

## Internal Player

**CPU:** Quad-Core Cortex A55  
**GPU:** G52 MC1  
**Memory:** 16 GB, 3 GB DDR

## Accessories

**Included Accessories:** IR sensor cable (1.8 m) (x 1), RS232 daisy-chain cable, Philips logo (x 1), AC Power Cord, AC Switch Cover, Quick start guide, Remote control and AAA batteries, RS232 cable, USB cover and screws, Wire Clamper (x 3)

## Miscellaneous

**On-Screen Display Languages:** English, French, German, Italian, Polish, Russian, Spanish, Turkish, Simplified Chinese, Traditional Chinese, Arabic, Japanese  
**Warranty:** 3 year warranty  
**Regulatory approvals:** CE, FCC, Class A, VCCI, CB, RoHS, UL

